SINGER KNITTING MACHINES

Jumpers and Cardigans: Raglan Sleeves

Series 5

8 PLY

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SINGER RAGLAN FASHIONS USING PATONS TOTEM–8 PLY

These raglan sleeved garments have been designed for all Singer Knitting Machines. The designs for children and adults cover cardigans with round or V necks and jumpers with round, polo or V necks.

This book has been designed for beginners. However, more advanced knitters may like to add their own variations with stripes or bands of fairisle.

To ensure the success of your knitting, the first part of this book has been devoted to advice on tensions, measurements, hems and ribs, fashion decreasing, buttonholes and quantities of yarn required.

Tensions

These garments have been designed for Patons Totem—8 ply wool. In order to match the sizes shown in this book it is essential to produce the correct tension. The correct stocking stitch tension is:—

12 stitches to 2 inches
16 rows to 2 inches

For all Singer machines we suggest Tension 10—however, as each machine varies it is advisable to check your tension. Various colours and flecks can also affect the tension.

To check tension: Knit a sample with 40 stitches on a tension one point below suggested tension, e.g., 9.2—knit 30 rows and mark work—then change to T.10 and knit 30 rows. Remove the sample from the machine and leave for at least 12 hours before measuring.

If difficulty is found in knitting 8 ply it will be overcome by waxing the wool—this is done by allowing wool to pass over a piece of paraffin wax whilst winding.

Measurements

We have used average measurements; however, individual requirements may need the lengths to be altered. At the point for alteration the instructions have been marked "adjust here." For shorter lengths deduct 8 rows for each inch and for longer lengths add 8 rows for each inch.

If altering lengths, remember to alter all body pieces and both sleeves if required. For cardigans the bands will also need alteration.

Basic Measurements

Jumpers

Sizes	22	25	28	31	34	37	40	43	46
Garment measures	24	27	30	33	36	39	42	45	48
Length from Back Neck	13½	15½	17½	19½	23½	24	24½	26	26½
Sleeve length:									
long	11	13	15	16	17	17	17	18	18

Cardigans

Sizes	22	25	28	31	34	37	40	43	46
Garment measures	25	28	31	34	37	40	43	46	49
Length from Back Neck	14	16	18	20	24	24½	25	26½	27
Sleeve length:									
long	11½	13½	15½	16½	17½	17½	17½	18½	18½

Fashion Raglan Decreasing

Method 1: With 3 eye transfer tool move stitches in one place. The third end stitch is now placed onto the fourth stitch.

Method 2: Place the fourth stitch onto the third stitch. With the 3 eye tool move the three end stitches in one place—thus filling the empty needle.

Method 3: Instead of decreasing one stitch every second row, two stitches may be decreased every fourth row. Place the third and fourth stitches onto the fifth and sixth, then move the end two stitches in two places, and filling the two empty needles. This will give a cable effect.

Hems and Ribbing

Instructions are given for both hems or ribbing, allowing for individual requirements.

Hems are turned up and may be completed on the machine or sewn by hand later. There are two types of hems:—

1. Stocking stitch.
2. Imitation rib—where the given number of needles are selected and then every alternate needle is pushed out of action. When the hem is completed remember to put the alternate needles back into action.

Ribbing: The instructions are for K1, P1 or single rib using a ribber attachment.

Tensions: For stocking stitch hems the tension is one number tighter than the normal tension. For imitation rib and K1, P1 rib the tension is 2 numbers tighter than the normal tension.

Buttonholes

The correct placement of buttonholes is given in all cardigan bands. These may be worked in either K1, P1 rib or imitation rib.

K1, P1 Rib: 1. For small buttons—transfer the centre ribber bed stitch onto the above main bed stitch—there are now two stitches on one needle. Leave the empty rib needle in action and continue knitting.

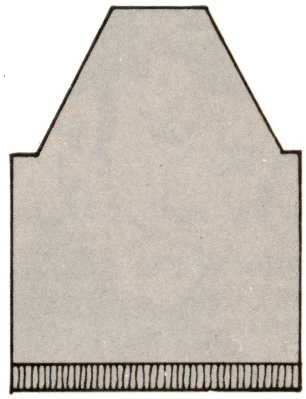
2. For larger buttons—transfer the centre ribber bed stitch onto the above main bed stitch, then transfer the next main bed stitch onto next ribber stitch. There will now be on each bed, two stitches on one needle and one empty needle. Leave the empty needles in action and continue knitting.

Imitation Rib: The bands in imitation rib are made double the width and folded back—therefore on the same row 2 buttonholes are to be made on needles mentioned in the instructions and when folded are stitched together. To make the buttonholes—knit 2 stitches together and leave the empty needle in action.

Materials

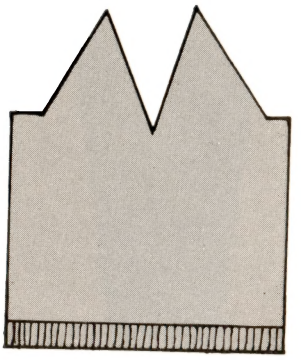
The figures quoted are for **8 ply 1 oz. balls.** If alterations are made to lengths also alter quantities.

Sizes	**22**	**25**	**28**	**31**	**34**	**37**	**40**	**43**	**46**
Long Sleeve Garments									
V neck jumper	9	12	15	17	20	22	24	27	30
Round neck jumper	10	12	15	17	20	22	24	27	30
Polo neck jumper	10	13	16	18	21	23	25	28	31
Round neck cardigan	10	13	16	18	21	23	25	28	31
V neck cardigan	10	13	16	18	21	23	25	28	31



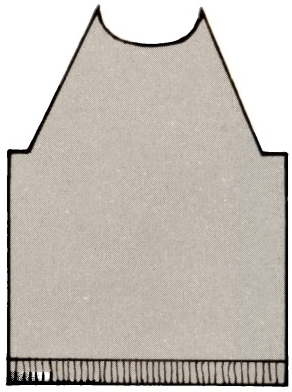
JUMPER BACK PANEL–FOR ALL STYLES

Sizes	22	25	28	31	34	37	40	43	46
1. Cast on xxx stitches	71	81	91	99	107	117	125	135	143
2. Knit welt—hem 32 rows rib 16 rows.									
— Change tension —									
3. Transfer to stocking stitch and knit xxx rows above welt (adjust length)	48	58	68	80	100	108	108	124	124
Shape Raglan —									
4. Row counter 000.									
5. Cast off xxx stitches at beginning of next 2 rows	3	3	3	3	3	4	5	5	6
6. Decrease 1 stitch each end of every 4th row xxx times	2	1	—	—	—	—	—	—	—
7. Decrease 1 stitch each end of every row xxx times	—	—	—	4	6	8	8	8	8
8. Decrease 1 stitch each end of every 2nd row xxx times	19	24	29	29	30	31	33	37	39
9. There are now xxx rows	48	54	60	64	68	72	76	84	88
10. Cast off remaining xxx stitches	24	25	27	27	29	31	33	35	37



JUMPER FRONT–V NECK

Sizes	22	25	28	31	34	37	40	43	46
1. Follow steps 1 to 5 of back.									
Shape armhole and neck—									
2. Decrease 1 stitch at centre front.									
3. Work on half the stitches nearest carriage — placing other half out of action xxx stitches	32	37	42	46	50	54	57	62	65
Note: Steps 4 to 7 are knitted simultaneously.									
4. At armhole edge decrease 1 stitch every 4th row xxx times	2	1	—	—	—	—	—	—	—
5. At armhole edge decrease 1 stitch every row xxx times	—	—	—	4	6	8	8	8	8
6. At armhole edge decrease 1 stitch every 2nd row xxx times	19	24	29	29	30	31	33	37	39
7. At neck edge decrease 1 stitch every 4th row xxx times	10	11	12	12	13	14	15	16	17
8. Bind off last 2 stitches.									
9. Work on other half, reversing shapings.									



JUMPER–ROUND OR POLO NECK

Sizes	22	25	28	31	34	37	40	43	46
1. Follow steps 1 to 7 of back.									
2. Decrease 1 stitch each end every 2nd row until xxx sts remain	41	45	49	49	53	55	59	63	69
3. There are now xxx rows	30	34	38	42	44	48	50	56	56
Shape neck—									
4. Work xxx stitches nearest carriage holding remaining stitches	14	15	16	16	17	17	19	20	22
Note: Steps 5 to 7 are knitted simultaneously.									
5. At neck edge decrease 1 stitch every 3rd row xxx times	4	4	4	4	4	5	5	5	5
6. At armhole edge continue to decrease 1 stitch every 2nd row until 2 sts remain.									
7. Bind off last 2 stitches.									
8. Cast off xxx stitches at the centre	13	15	17	17	19	21	21	23	25
9. Work other side, steps 5-7 reversing shapings.									

JUMPER–LONG SLEEVES

Sizes	22	25	28	31	34	37	40	43	46
1. Cast on xxx stitches	39	41	43	51	53	57	59	61	63
2. Knit welt—hem 32 rows									
rib 16 rows.									
— Change tension —									
3. Transfer to stocking stitch and knit xxx rows	7	7	7	7	7	7	6	6	6
4. Increase 1 stitch each end of this and every following xxx rows	7	7	7	7	7	7	6	6	6
5. Increase xxx times altogether	8	10	12	14	15	15	16	18	19
6. There are now xxx stitches	55	61	67	79	83	87	91	97	101
7. Knit to xxx rows above welt (adjust length)	76	92	106	116	124	124	124	132	132
Shape raglan —									
8. Row counter 000.									
9. At beginning of next 2 rows cast off xxx stitches	3	3	3	3	3	4	5	5	6
10. Decrease 1 stitch each end every 4th row xxx times	3	3	3	—	—	—	1	3	4
11. Decrease 1 stitch each end every row xxx times	—	—	—	2	2	—	—	—	—
12. Decrease 1 stitch each end every 2nd row xxx times	17	20	23	30	32	35	35	35	35
13. There are now xxx rows	48	54	60	64	68	72	76	84	88
14. Cast off remaining xxx stitches	9	9	9	9	9	9	9	11	11

Knit another sleeve the same way.

NECKBANDS–JUMPERS–
USING RIBBER ATTACHMENT

ROUND NECK JUMPER

Sizes	22	25	28	31	34	37	40	43	46
1. Cast on xxx stitches for K1, P1 rib	91	99	107	107	115	119	125	137	149
2. Rib for xxx rows	22	22	22	22	24	24	24	24	24

3. Cast off loosely.

Note: When attached, neckband is folded in half.

POLO NECK JUMPER

Sizes	22	25	28	31	34	37	40	43	46
1. Commence as step 1 of round neck.									
2. Rib for xxx rows	45	45	45	45	50	50	50	50	50

3. Cast off loosely.

V NECK JUMPER

Sizes	22	25	28	31	34	37	40	43	46
1. Cast on xxx stitches for K1, P1 rib	119	129	147	151	165	179	185	199	199

2. Rib for 10 rows.

3. Cast off loosely.

Note: When attaching neckbands it is best to use the cast on edge as finished edge and attach the cast off edge to the garment.

NECKBANDS – JUMPERS – USING IMITATION RIB

ROUND NECK JUMPER

Sizes	22	25	28	31	34	37	40	43	46
1. Select xxx needles	91	99	107	107	115	119	125	137	149
2. Push out of action every alternate needle.									
3. Using winding method, cast on loosely.									
4. Knit xxx rows	22	22	22	22	24	24	24	24	24
5. Cast off loosely.									

Note: When attached, neckband is folded in half.

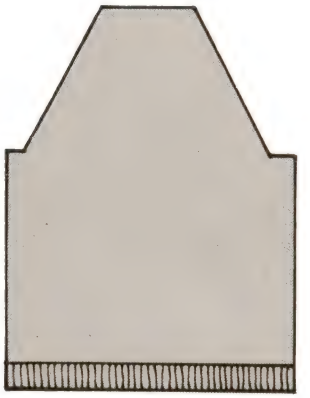
POLO NECK JUMPER

Sizes	22	25	28	31	34	37	40	43	46
1. Follow steps 1 to 3 of round neck.									
2. Knit xxx rows	45	45	45	45	50	50	50	50	50
3. Cast off loosely.									

V NECK JUMPER

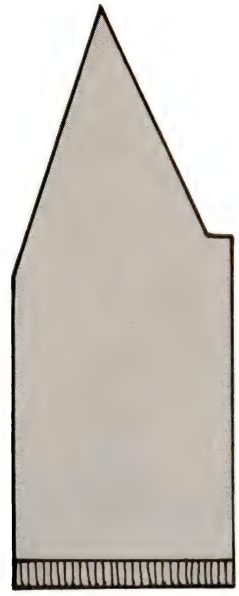
Sizes	22	25	28	31	34	37	40	43	46
1. Select xxx needles	119	129	147	151	165	179	185	199	199
2. Push out of action every alternate needle.									
3. Using winding method, cast on loosely.									
4. Knit 20 rows.									
5. Cast off loosely.									

Note: Neckband is folded in half when attached.



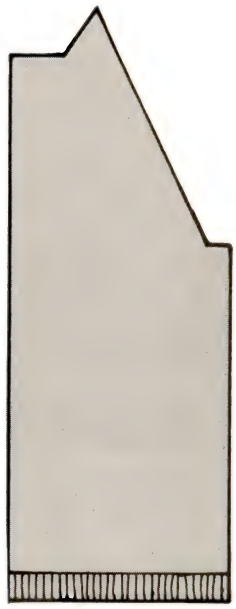
CARDIGAN BACK–FOR ALL STYLES

Sizes	22	25	28	31	34	37	40	43	46
1. Cast on xxx stitches	75	85	95	103	111	121	129	139	147
2. Knit welt—hem 32 rows									
rib 16 rows.									
— Change tension —									
3. Transfer to stocking stitch—knit to xxx rows above welt (adjust length)	50	60	70	82	102	110	110	126	126
Shape raglan—									
6. Row counter 000.									
7. At beginning of next 2 rows cast off xxx stitches	3	3	3	3	3	4	5	5	6
8. Decrease 1 stitch each end every 4th row xxx times	2	1	—	—	—	—	—	—	—
9. Decrease 1 stitch each end every row xxx times	—	—	—	4	6	8	8	8	8
10. Decrease 1 stitch every 2nd row xxx times	20	25	30	30	31	32	34	38	40
11. There are now xxx rows	50	56	62	66	70	74	78	86	90
12. Cast off remaining xxx stitches	25	27	29	29	31	33	35	37	39



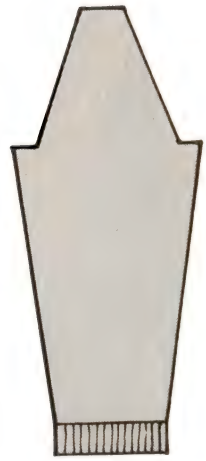
CARDIGAN–FRONT–V NECK

Sizes	22	25	28	31	34	37	40	43	46
1. Cast on xxx stitches	37	41	47	51	55	59	63	69	73
2. Knit welt—hem 32 rows rib 16 rows.									
— Change tension —									
3. Transfer to stocking stitch and knit xxx rows above welt (adjust length)	50	60	70	82	102	110	110	126	126
Shape raglan and neckline—									
4. Row counter 000.									
5. Cast off xxx stitches at armhole edge	3	3	3	3	3	4	5	5	6
6. At neck edge decrease 1 stitch.									
Note: Steps 7 to 10 are knitted simultaneously.									
7. At armhole edge decrease 1 stitch every 4th row xxx times	2	1	—	—	—	—	—	—	—
8. At armhole edge decrease 1 stitch every row xxx times	—	—	—	4	6	8	8	8	8
9. At armhole edge decrease 1 stitch every 2nd row xxx times	20	25	30	30	31	32	34	38	40
10. At neck edge decrease 1 stitch every 4th row xxx times	10	10	12	12	13	13	14	16	17
11. Bind off last 2 stitches.									
Knit another front, reversing shapings.									



CARDIGAN FRONT–ROUND NECK

Sizes	22	25	28	31	34	37	40	43	46
1. Follow steps 1 to 5 of front V neck.									
2. At armhole edge decrease 1 stitch every 4th row xxx times	2	1	—	—	—	—	—	—	—
3. At armhole edge decrease 1 stitch every row xxx times	—	—	—	4	6	8	8	8	8
4. At armhole edge decrease 1 stitch every 2nd row until xxx stitches remain	22	23	26	26	28	28	30	33	36
5. There are now xxx rows	30	34	38	42	44	48	50	56	56
Shape neck—									
6. On neck edge cast off xxx stitches	6	6	8	8	8	8	9	11	12
Note: Steps 7 to 8 are knitted simultaneously.									
7. At neck edge decrease 1 stitch every 3rd row xxx times	5	5	5	5	6	6	6	6	6
8. At armhole edge continue to decrease 1 stitch every 2nd row until 2 sts remain.									
9. Bind off last 2 stitches.									
Knit another front reversing shapings.									



CARDIGAN–LONG SLEEVES

Sizes	22	25	28	31	34	37	40	43	46
1. Cast on xxx stitches	41	43	45	53	55	59	61	63	65
2. Knit welt—hem 32 rows									
rib 16 rows.									
— Change tension —									
3. Transfer to stocking stitch and knit xxx rows	7	7	7	7	7	7	6	6	6
4. Increase 1 stitch each end of this and every following xxx rows	7	7	7	7	7	7	6	6	6
5. Increase xxx times altogether	8	10	12	14	15	15	16	18	19
6. There are now xxx stitches	57	63	69	81	85	89	93	99	103
7. Knit to xxx rows above welt (adjust length)	78	94	108	118	126	126	126	136	136
Shape raglan —									
8. Row counter 000.									
9. At beginning of next 2 rows cast off xxx stitches	3	3	3	3	3	4	5	5	6
10. Decrease 1 stitch each end every 4th row xxx times	3	3	3	—	—	—	1	3	4
11. Decrease 1 stitch each end every row xxx times	—	—	—	2	2	—	—	—	—
12. Decrease 1 stitch each end every 2nd row xxx times	18	21	24	31	33	36	36	36	36
13. There are now xxx rows	50	56	62	66	70	74	78	86	90
14. Cast off remaining xxx stitches	9	9	9	9	9	9	9	11	11
Knit another sleeve the same way.									

NECKBANDS – CARDIGANS – USING RIBBER ATTACHMENT

V NECK CARDIGAN

Sizes	22	25	28	31	34	37	40	43	46
1. Cast on 13 stitches for K1, P1 rib.									
2. Rib 4 rows.									
3. Make buttonholes in next and every following xxx rows (see front section)	15	17	16	17	21	20	20	22	22
4. Make xxx buttonholes altogether	5	5	6	6	6	7	7	7	7
5. Continue ribbing until xxx rows from beginning	274	308	342	374	424	450	460	514	524
6. Cast off.									

Note: If length of garment is altered adjust the band by double the number of rows altered.

ROUND NECK CARDIGAN

Sizes	22	25	28	31	34	37	40	43	46
Front Band Without Buttonholes									
1. Cast on 13 stitches for K1, P1 rib.									
2. Rib for xxx rows	113	118	134	152	169	183	183	208	208
3. Cast off.									

Note: If length of garment is altered adjust the band by the same number of rows.

Front Band With Buttonholes

1. Cast on 13 stitches for K1, P1 rib.									
2. Rib 4 rows.									
3. Make buttonhole on next and every following xxx rows	21	22	21	24	23	25	25	25	25
4. Make xxx buttonholes altogether	6	6	7	7	8	8	8	9	9
5. Rib 4 rows.									
6. Cast off.									

See note for "without buttonholes."

Neckband

1. Cast on xxx stitches for K1, P1 rib.	95	101	111	111	117	121	127	141	153
2. Rib for 10 rows.									
3. Cast off loosely.									

Note: It is best to use cast on edge as finished edge and attach cast off edge to garment. Front bands extend to form part of the neckband.

NECKBANDS–CARDIGANS–USING IMITATION RIB

V NECK CARDIGAN

Sizes	22	25	28	31	34	37	40	43	46
1. Select 28 needles.									
2. Push out of action every alternate needle.									
3. Using winding method, cast on.									
4. Knit 4 rows.									
5. Make buttonholes on 3rd stitch in from each end (see front section).									
6. Knit xxx rows	15	17	16	17	22	20	20	22	22
7. Repeat steps 5 and 6 until xxx series of buttonholes are made	5	5	6	6	6	7	7	7	7
8. Continue knitting until xxx rows from beginning	274	308	342	374	424	450	460	514	524
9. Cast off.									

Note: If length of garment is altered adjust band by double number of rows altered.

ROUND NECK CARDIGAN

Sizes	22	25	28	31	34	37	40	43	46
Front Band Without Buttonholes									
1. Follow steps 1 to 3 of V neck.									
2. Knit for xxx rows	113	118	134	152	169	183	183	208	208
3. Cast off.									

Note: If length of garment is altered adjust bands by same number of rows.

Front Band With Buttonholes

1. Follow steps 1 to 4 of V neck.									
2. Make buttonholes on 3rd stitch in from each end (see front section).									
3. Knit xxx rows	21	22	21	24	23	25	25	25	25
4. Repeat steps 2 and 3 until xxx series of buttonholes are made	6	6	7	7	8	8	8	9	9
5. Knit 4 rows.									
6. Cast off.									

See note for without buttonholes.

Neckband

1. Select xxx needles	95	101	111	111	117	121	127	141	153
2. Push out of action every alternate needle.									
3. Using winding method, cast on loosely.									
4. Knit 20 rows.									
5. Cast off loosely.									

Note: Front bands extend to form part of neckband.

COMPLETION OF GARMENTS

All Styles

1. Press all pieces lightly with a damp cloth.
2. Sew up the 4 raglan seams.
3. Sew the side and sleeve seams.

Attaching Neckbands

Round Neck Jumper

For both imitation rib and rib sew the neckband evenly around the neck—fold in half and slip stitch.

Polo Neck Jumper

Imitation Rib: Attach as for round neck jumper.

Rib: Sew cast off edge to the neckline.

V Neck Jumper

Imitation Rib: Sew band around neck commencing at the V—fold the band in half and slip stitch—make a mitred corner at the V.

Rib: Sew band around neck using the cast off edge commencing at the V—mitre the ends at the V.

Round Neck Cardigan

Imitation Rib: Attach the neckband evenly, fold in half and slip stitch. Attach the bands down each front commencing at the top of the neckband—fold in half and slip stitch. Catch the buttonholes together.

Rib: Attach the neckband evenly around neck using cast off edge—attach bands from top of neckband.

V Neck Cardigan

Imitation Rib: Attach band evenly around neckline, fold in half and slip stitch. Catch the buttonholes together.

Rib: Attach evenly around neckline.

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KNIT RADAR **Price $22.50**
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A necessity for all knitting machines, ensuring an even flow of yarn to the machine eliminating tension troubles, tangles, etc.

YARN CASE STAND **Price $3.50**
When using up to 3 different wools this prevents the yarns from becoming tangled, especially in fairisle. Each bowl holds 2 oz of yarn and can be used individually or all 3 placed on the stand.

BLOCKING CLOTH **Price $3.00**
Ideal for use when blocking a garment to shape, either when first knitted or washed. The cloth is a water repellent canvas marked in 1″ squares and approx. 35″ x 54″.

KNITTING GAUGE CHART **Price $1.75**
An invaluable assistant for the person who does his/her own designing. Operates like a slide rule and saves hours in converting inches to stitches and rows by a simple operation. Made in durable vinyl.

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Used for transferring more than 3 stitches for cables, fashion decreasing, etc.—or can be used in combinations for lace knitting as each eye is adjustable.

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Saves the laborious procedure of selecting needles for lace patterns. Used as the 1/1 included with the machine.

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Described above.

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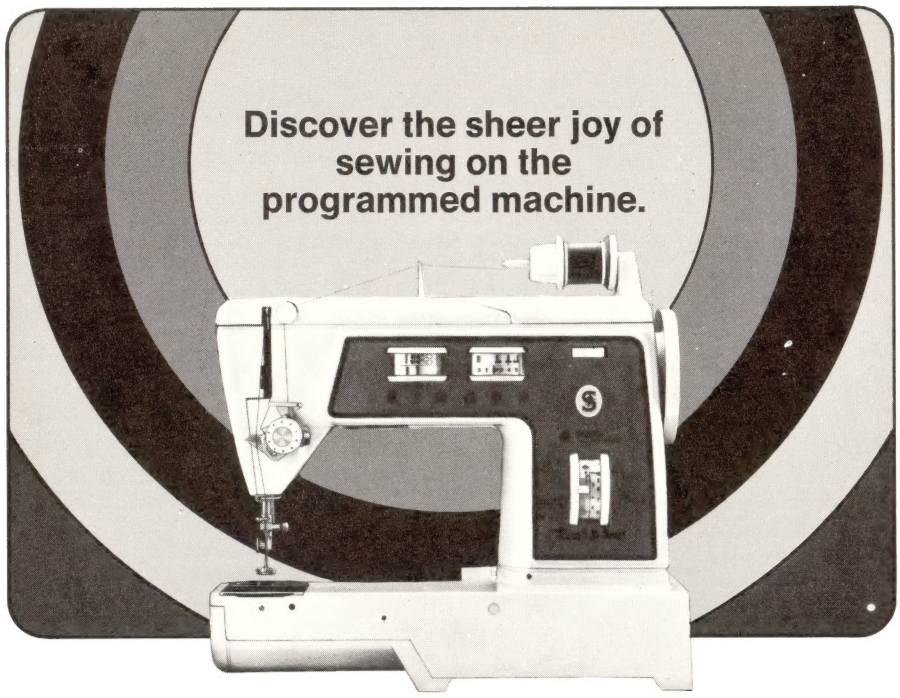

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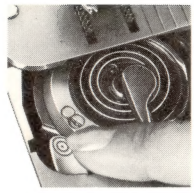

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